

What is claimed is:

- Sub A1
1. An apparatus for tuning an optical element comprising:
an optical element having a specified response at a first location; and
a mechanism for redirecting incident light to a second location on said optical element
so as to achieve a desired response other than said specified response.
 2. The apparatus of claim 1, wherein said optical element comprises a thin-film filter, and
said specified response comprises the center wavelength of said thin-film filter.
 3. The apparatus of claim 1, wherein said redirecting mechanism comprises a pigtail having a
wedge in a transmitting end of said pigtail.
 4. The apparatus of claim 3, wherein said wedge comprises an angle between approximately
8° and 12°.
 5. The apparatus of claim 1, wherein said incident light is redirected along a path offset from
an axis formed by the center of said optical element.

6. An apparatus for tuning an optical element comprising:

a module having a center of rotation;

an optical element having a center of rotation and being affixed to said module such that said center of rotation of said optical element is offset from said center of rotation of said module; and

a mechanism for redirecting light, said mechanism including a wedge, wherein said redirecting mechanism redirects incident light to a location on said optical element.

7. The apparatus of claim 6, wherein said redirecting mechanism comprises a pigtail having the wedge formed in a transmitting end.

8. The apparatus of claim 6, wherein said wedge comprises an angle ranging from approximately 8° to approximately 12°.

9. The apparatus of claim 6, wherein said location on said optical element is a location other than said center of said optical element.

10. The apparatus of claim 6, wherein said location is selectable so as to produce a desired response from said optical element.

11. The apparatus of claim 6, wherein said redirecting mechanism is configured to redirect light along a path which is substantially parallel to and offset from an axis normal to said center of rotation of said module.

12. A method for tuning an optical element comprising:

5 *See A4* providing an optical element having a specified response at a predetermined location;

and

providing incident light to a location on said optical element so as to achieve a desired response other than said specified response.

13. The method of claim 12, wherein said act of providing incident light comprises redirecting light along a path offset from an axis formed by a center of said optical element.

0994474-082801
10

14. A method for tuning an optical element comprising:

providing a module having a center of rotation and an optical element having a center;

affixing said optical element to said module such that said center of said optical element is offset from said center of rotation of said module;

applying incident light to said optical element, said incident traveling along a path offset from said center of rotation; and

rotating said module about said center of rotation until a predetermined response of said optical element is achieved.

15. The method of claim 14, wherein said optical element comprises a filter having a plurality of responses, said act of rotating including the act of selecting one of said plurality of responses as the predetermined response.

16. An apparatus for tuning an optical element comprising:

module means for rotating about a center of rotation;

optical means, supported by said module means, for responding to an incident light and producing a plurality of responses, said optical means having a predetermined response at a position offset from said center of rotation;

Sub
A5

5

0944474-082601

15

NFCS-01-027

means for applying incident light to said optical means, said incident traveling along a path offset from said center of rotation; and

means for rotating said module about said center of rotation until a desired response from said optical means to said incident light is achieved.

- 5 17. The apparatus of claim 16, wherein said optical means comprises a filter having a plurality of responses.